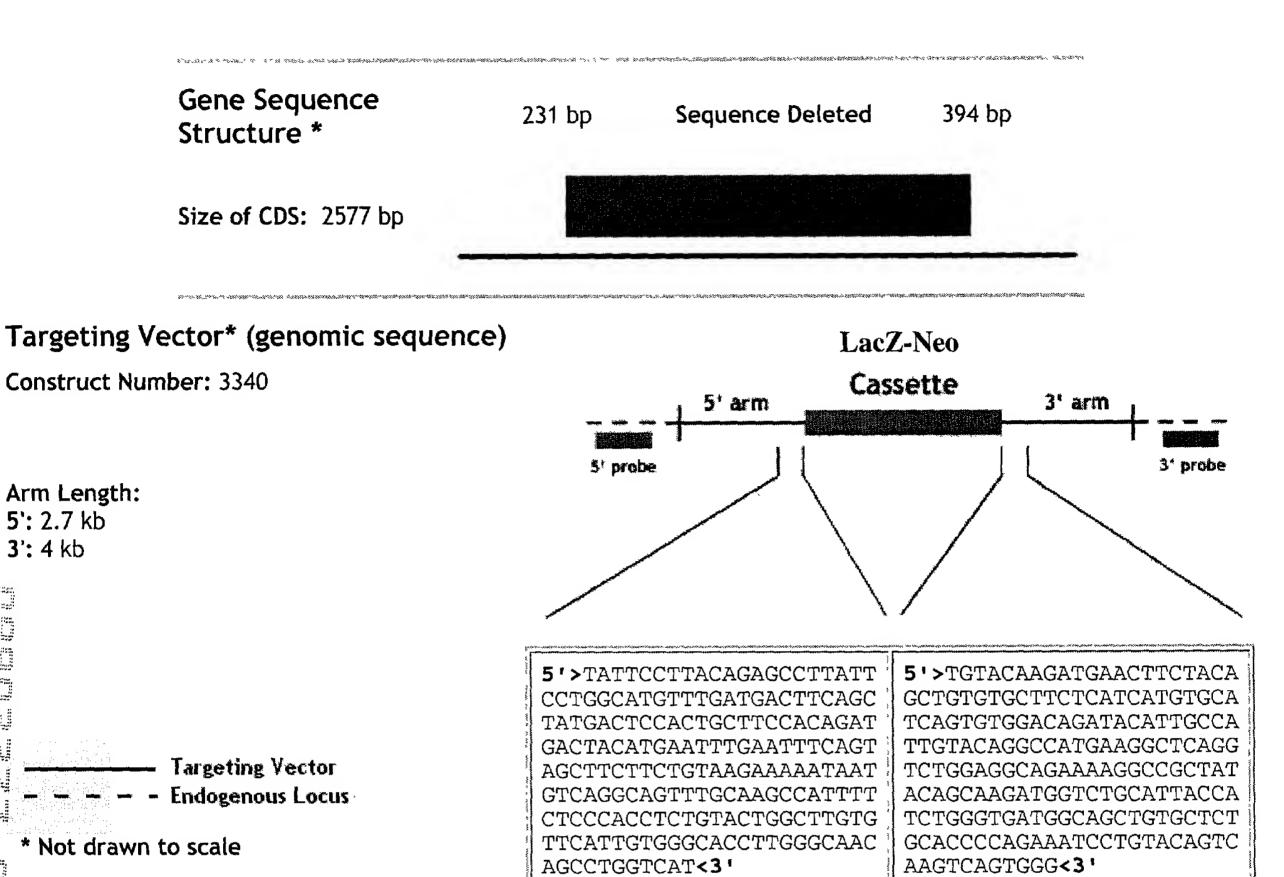
AATATTTCCTTGACCTAATGCCATCTTGTGTCCCCTTGCAGAGCCCTATTCCTAACATGGCTGATGACTA TGGCTCTGAATCCACATCTTCCATGGAAGACTACGTTAACTTCAACTTCACTGACTTCTACTGTGAGAAAA ACAATGTCAGGCAGTTTGCGAGCCATTTCCTCCCACCCTTGTACTGGCTCGTGTTCATCGTGGGTGCCTTG GGCAACAGTCTTGTTATCCTTGTCTACTGGTACTGCACAAGAGTGAAGACCATGACCGACATGTTCCTTTT GAATTTGGCAATTGCTGACCTCTTTTCTTGTCACTCTTCCCTTCTGGGCCATTGCTGCTGCTGACCAGT GGAAGTTCCAGACCTTCATGTGCAAGGTGGTCAACAGCATGTACAAGATGAACTTCTACAGCTGTGTTTG CTGATCATGTGCATCAGCGTGGACAGGTACATTGCCCATTGCCCAGGCCATGAGAGCACATACTTGGAGGGA GAAAAGGCTTTTGTACAGCAAAATGGTTTGCTTTACCATCTGGGTATTGGCAGCTGCTCTCTGCATCCCAG AAATCTTATACAGCCAAATCAAGGAGGAATCCGGCATTGCTATCTGCACCATGGTTTACCCTAGCGATGAG AGCACCAAACTGAAGTCAGCTGTCTTGACCCTGAAGGTCATTCTGGGGGTTCTTCCCTTCCCTTCGTGGTCAT GGCTTGCTGCTATACCATCATCACTCACACCCTGATACAAGCCAAGAAGTCTTCCAAGCACAAAAGCCCTAA AAGTGACCATCACTGTCCTGACCGTCTTTGTCTTGTCTCAGTTTCCCTACAACTGCATTTTGTTGGTGCAG ACCATTGACGCCTATGCCATGTTCATCTCCAACTGTGCCGTTTCCACCAACATTGACATCTGCTTCCAGGT CACCCAGACCATCGCCTTCTTCCACAGTTGCCTGAACCCTGTTCTCTATGTTTTTTGTGGGTGAGAGATTCC GCCGGGATCTCGTGAAAACCCTGAAGAACTTGGGTTGCATCAGCCAGGCCCAGTGGGTTTCATTTACAAGG AGAGAGGGAAGCTTGAAGCTGTCGTCTATGTTGCTGGAGACAACCTCAGGAGCACTCTCCCTCTGAGGGGT CTTCTCTGAGGTGCATGGTTCTTTTGGAAGAAATGAGAAATACATGAAAACAGTTTCCCCACTGATGGGACC AGAGAGAGTGAAAGAAAAAGAAAACTCAGAAAGGGATGAATCTGAACTATATGATTACTTGTAGTCAGAA TTTGCCAAAGCAAATATTTCAAAATCAACTGACTAGTGCAGGAGGCTGTTGATTGGCTCTTGACTGTGATG CCCGCAATTCTCAAAGGAGGACTAAGGACCGGCACTGTGGAGCACCCTGGCTTTGCCACTCGCCGGAGCAT CAATGCCGCTGCCTCTGGAGGAGCCCTTGGATTTTCTCCATGCACTGTGAACTTCTGTGGCTTCAGTTCTC ATGCTGCCTCTTCCAAAAGGGGACACAGAAGCACTGGCTGCTGCTACAGACCGCAAAAGCAGAAAGTTTCG TGAAAATGTCCATCTTTGGGAAATTTTCTACCCTGCTCTTGAGCCTGATAACCCATGCCAGGTCTTATAGA TTCCTGATCTAGAACCTTTCCAGGCAATCTCAGACCTAATTTCCTTCTGTTCTCTTGTTCTGTTCTGGGC CAGTGAAGGTCCTTGTTCTGATTTTGAAACGATCTGCAGGTCTTGCCAGTGAACCCCTGGACAACTGACCA CACCCACAAGGCATCCAAAGTCTGTTGGCTTCCAATCCATTTCTGTGTCCTGCTGGAGGTTTTAACCTAGA CAAGGATTCCGCTTATTCCTTGGTATGGTGACAGTGTCTCTCCATGGCCTGAGCAGGGAGATTATAACAGC TGGGTTCGCAGGAGCCAGCCTTGGCCCTGTTGTAGGCTTGTTCTGTTGAGTGGCACTTGCTTTGGGTCCAC GGAATACAGTGAGCAGATATGGGCAGCAGCCAGGTAGGGCAAAGGGGTGAAGCGCAGGCCTTGCTGGAAGG CTATTTACTTCCATGCTTCTCCTTTTCTTACTCTATAGTGGCAACATTTTAAAAGCTTTTAAACTTAGAGAT TAGGCTGAAAAAATAAGTAATGGAATTCACCTTTGCATCTTTTGTGTCTTTTCTTATCATGATTTGGCAAA TTGTCACTTTCTTTACCCTGTCTCAATATTTTAAGTGTGTGCAATTAAAGATCAAATAGATACATTAAGAG TGTGAAGGCTGGTCTGAAGGTAGTGAGCTATCTCAATCGGATTGTTCACACTCAGTTACAGATTGAACTCC AGGGATAAGGAAATAAGATCT (SEQ ID NO:1)

MADDYGSESTSSMEDYVNFNFTDFYCEKNNVRQFASHFLPPLYWVFIVGALGNSLVILVYWYCTRVKTMTD MFLLNLAIADLLFLVTLPFWAIAAADQWKFQTFMCKVVNSMYKMNFYSCVLLIMCISVDRYIAIAQAMRAH TWREKRLLYSKMVCFTIWVLAAALCIPEILYSQIKEESGIAICTMVYPSDESTKLKSAVLTLKVILGFFLP FVVMACCYTIIIHTLIQAKKSSKHKALKVTITVLTVFVLSQFPYNCILLVQTIDAYAMFISNCAVSTNIDI CFQVTQTIAFFHSCLNPVLYVFVGERFRRDLVKTLKNLGCISQAQWVSFTRREGSLKLSSMLLETTSGALS L (SEQ ID NO:2)

<u>Underlined</u> = deleted in targeting construct

Bold = sequence flanking Neo insert in targeting construct

AATATTTTCCTTGACCTAATGCCATCTTGTGTCCCCTTGCAGAGCCCTATTCCTAACATG GCTGATGACTATGGCTCTGAATCCACATCTTCCATGGAAGACTACGTTAACTTCAACTTC ACTGACTTCTACTGTGAGAAAAACAATGTCAGGCAGTTTGCGAGCCATTTCCTCCCACCC TTGTACTGGCTCGTGTTCATCGTGGGTGCCTTGGGCAACAGTCTTGTTAT CCTTGTCTAC ${ t TGGTACTGCACAAGAGTGAAGACCATGACCGACATGTTCCTTTTGAATTTGGCAATTGCT}$ GACCTCCTCTTTCTTGTCACTCTTCCCCTTCTGGGCCATTGCTGCTGCTGACCAGTGGAAG TTCCAGACCTTCATGTGCAAGGTGGTCAACAGCA TGTACAAGATGAACTTCTACAGCTGT GTGTTGCTGATCATGTGCATCAGCGTGGACAGGTACATTGCCCATTGCCCAGGCCATGAGA GCACATACTTGGAGGGAGAAAAGGCTTTTGTACAGCAAAATGGTTTGCTTTACCATCTGG GTATTGGCAGCTGCTCTCTGCATCCCAGAAATCTTATACAGCCAAATCAAGGAGGAATCC GGCATTGCTATCTGCACCATGGTTTACCCTAGCGATGAGAGCACCAAACTGAAGTCAGCT GTCTTGACCCTGAAGGTCATTCTGGGGTTCTTCCTTCCCTTCGTGGTCATGGCTTGCTGC TATACCATCATCACTCACACCCTGATACAAGCCAAGAAGTCTTCCAAGCACAAAGCCCTA T TGTTGGTGCAGACCATTGACGCCTATGCCATGTTCATCTCCAACTGTGCCGTTTCCACC AACATTGACATCTGCTTCCAGGTCACCCAGACCATCGCCTTCTTCCACAGTTGCCTGAAC CCTGTTCTCTATGTTTTTTGTGGGTGAGAGATTCCGCCGGGATCTCGTGAAAACCCTGAAG AACTTGGGTTGCATCAGCCAGGCCCAGTGGGTTTCATTTACAAGGAGAGAGGGAAGCTTG AAGCTGTCGTCTATGTTGCTGGAGACAACCTCAGGAGCACTCTCCCTCTGAGGGGTCTTC TCTGAGGTGCATGGTTCTTTTGGAAGAAATGAGAAATACATGAAACAGTTTCCCCACTGA TGGGACCAGAGAGAGAAAGAAAAGAAAACTCAGAAAGGGATGAATCTGAACTATAT GATTACTTGTAGTCAGAATTTGCCAAAGCAAATATTTCAAAATCAACTGACTAGTGCAGG AGGCTGTTGATTGGCTCTTGACTGTGATGCCCGCAATTCTCAAAGGAGGACTAAGGACCG GCACTGTGGAGCACCCTGGCTTTGCCACTCGCCGGAGCATCAATGCCGCTGCCTCTGGAG GAGCCCTTGGATTTTCTCCATGCACTGTGAACTTCTGTGGCTTCAGTTCTCATGCTGCCT CTTCCAAAAGGGGACACAGAAGCACTGGCTGCTACAGACCGCAAAAGCAGAAAGTTT CGTGAAAATGTCCATCTTTGGGAAATTTTCTACCCTGCTCTTGAGCCTGATAACCCATGC CAGGTCTTATAGATTCCTGATCTAGAACCTTTCCAGGCAATCTCAGACCTAATTTCCTTC TGTTCTCCTTGTTCTGTTCTGGGCCAGTGAAGGTCCTTGTTCTGATTTTGAAACGATCTG CAGGTCTTGCCAGTGAACCCCTGGACAACTGACCACACCCACAAGGCATCCAAAGTCTGT TGGCTTCCAATCCATTTCTGTGTCCTGCTGGAGGTTTTAACCTAGACAAGGATTCCGCTT ATTCCTTGGTATGGTGACAGTGTCTCTCCATGGCCTGAGCAGGGAGATTATAACAGCTGG ${ t GTTCGCAGGAGCCAGCCTTGGCCCTGTTGTAGGCTTGTTCTGTTGAGTGGCACTTGCTTT}$ GAGGCCCACTTTATTCTGAGGAATACAGTGAGCAGATATGGGCAGCAGCCAGGTAGGGCA AAGGGGTGAAGCGCAGGCCTTGCTGGAAGGCTATTTACTTCCATGCTTCTCCTTTTTTCTTA CTCTATAGTGGCAACATTTTAAAAGCTTTTAACTTAGAGATTAGGCTGAAAAAAATAAGT AATGGAATTCACCTTTGCATCTTTTGTGTCTTTTCTTATCATGATTTGGCAAAATGCATCA CCTTTGAAAATATTTCACATATTGGAAAAGTGCTTTTTTAATGTGTATATGAAGCATTAAT TACTTGTCACTTTCTTTACCCTGTCTCAATATTTTTAAGTGTGTGCAATTAAAGATCAAAT AGATACATTAAGAGTGTGAAGGCTGGTCTGAAGGTAGTGAGCTATCTCAATCGGATTGTT CACACTCAGTTACAGATTGAACTCCTTGTTCTACTTCCCTGCTTCTCTCTACTGCAATTG ACTAGTCTTTAAAAAAAAGTGTGAAGAGTAAGCAATAGGGATAAGGAAATAAGATCT



3': 4 kb

FIGURE 2B

(SEQ.ID.NO.3)

(SEQ.ID.NO.4)